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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 14.6824 Seconds
(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933B-9
Perfect score: 2106
Sequence: 1 MKFTVAITSIAVALALSSSA.....TFKEVTCPAELTTRSGCERK 387

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	769.5	36.5	299	2	US-08-872-437-2	Sequence 2, Appli
2	769.5	36.5	299	3	US-08-651-136C-12	Sequence 12, Appl
3	769.5	36.5	299	4	US-09-229-911A-12	Sequence 12, Appl
4	768.5	36.5	306	4	US-09-189-060B-68	Sequence 68, Appl
5	761.5	36.2	225	3	US-08-651-136C-2	Sequence 2, Appli
6	761.5	36.2	225	4	US-09-229-911A-2	Sequence 2, Appli
7	761.5	36.2	297	3	US-08-651-136C-4	Sequence 4, Appli
8	761.5	36.2	297	4	US-09-229-911A-4	Sequence 4, Appli
9	761.5	36.2	308	3	US-08-651-136C-6	Sequence 6, Appli
10	761.5	36.2	308	4	US-09-229-911A-6	Sequence 6, Appli
11	735	34.9	349	3	US-08-651-136C-10	Sequence 10, Appl
12	735	34.9	349	4	US-09-229-911A-10	Sequence 10, Appl
13	729.5	34.6	306	4	US-09-189-060B-66	Sequence 66, Appl
14	727.5	34.5	304	4	US-09-189-060B-72	Sequence 72, Appl
15	725	34.4	307	4	US-09-189-060B-74	Sequence 74, Appl
16	722.5	34.3	222	3	US-08-651-136C-14	Sequence 14, Appl
17	722.5	34.3	222	4	US-09-229-911A-14	Sequence 14, Appl
18	722.5	34.3	294	3	US-08-651-136C-24	Sequence 24, Appl
19	722.5	34.3	294	4	US-09-229-911A-24	Sequence 24, Appl
20	718	34.1	285	4	US-09-230-225B-6	Sequence 6, Appli
21	718	34.1	305	4	US-09-230-222-1	Sequence 1, Appli
22	717	34.0	286	4	US-09-254-733-3	Sequence 3, Appli
23	714	33.9	376	1	US-08-090-013-4	Sequence 4, Appli
24	714	33.9	376	1	US-08-081-328-4	Sequence 4, Appli
25	714	33.9	376	1	US-08-232-249-4	Sequence 4, Appli
26	714	33.9	376	2	US-08-833-642A-4	Sequence 4, Appli
27	714	33.9	376	2	US-08-389-423-4	Sequence 4, Appli
28	714	33.9	376	4	US-09-230-665-4	Sequence 4, Appli
29	714	33.9	376	4	US-09-189-028-4	Sequence 4, Appli
30	712.5	33.8	308	4	US-09-189-060B-70	Sequence 70, Appl
31	712.5	33.8	357	1	US-08-411-777-9	Sequence 9, Appli
32	712.5	33.8	357	3	US-09-057-088-9	Sequence 9, Appli
33	711	33.8	234	4	US-09-230-665-6	Sequence 6, Appli
34	711	33.8	305	1	US-08-090-013-2	Sequence 2, Appli
35	711	33.8	305	1	US-08-081-328-2	Sequence 2, Appli
36	711	33.8	305	1	US-08-232-249-2	Sequence 2, Appli
37	711	33.8	305	2	US-08-921-426-8	Sequence 8, Appli
38	711	33.8	305	2	US-08-833-642A-2	Sequence 2, Appli
39	711	33.8	305	2	US-08-140-008A-4	Sequence 4, Appli
40	711	33.8	305	2	US-08-836-340-1	Sequence 1, Appli
41	711	33.8	305	2	US-08-389-423-2	Sequence 2, Appli
42	711	33.8	305	3	US-08-816-915-8	Sequence 8, Appli
43	711	33.8	305	4	US-09-189-060B-56	Sequence 56, Appl
44	711	33.8	305	4	US-09-230-665-2	Sequence 2, Appli
45	711	33.8	305	4	US-09-189-028-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
; APPLICANT: Kalum, Lisbeth
; TITLE OF INVENTION: Garments With Considerable Variation In
; TITLE OF INVENTION: Abrasion Level
; FILE REFERENCE: 4888.200-US
; CURRENT APPLICATION NUMBER: US/08/872,437
; CURRENT FILING DATE: 1997-06-10
; EARLIER APPLICATION NUMBER: 1276/96
; EARLIER FILING DATE: 1996-11-13
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Thielavia terrestris
US-08-872-437-2

Query Match 36.5%; Score 769.5; DB 2; Length 299;
Best Local Similarity 60.7%; Pred. No. 6.1e-51;
Matches 133; Conservative 33; Mismatches 48; Indels 5; Gaps 2;

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Qy        229 GCNGGNGFMCNNNQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVV 288
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Db         69 GCNGGSAYSCADQTPWAVNDNLAYGFAATSIAGGSESSWCCACYALTFTSGPVAGKTMVV 128

Qy        289 QVTNTGGDLGSNHFDLQMPGGGVGIFNGCAAQWGA-PNDGWGARYGGVSSVSDCASLPSA 347
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Db        185 LKPGCQWRFDWFQNADNPTFTFQQVQCPAEIVARSGCKR 223
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RESULT 2
US-08-651-136C-12
; Sequence 12, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; APPLICANT: Andersen, Lene N.

```
;    APPLICANT:  Lassen, Soren F.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Lange, Lene
;    APPLICANT:  Nielsen, Ruby I.
;    APPLICANT:  Ihara, Michiko
;    APPLICANT:  Takagi, Shinobu
;    TITLE OF INVENTION:  No. 6001639el Endoglucanases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,136C
;      FILING DATE:  21-MAY-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4366.200-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  299 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-651-136C-12

  Query Match           36.5%;  Score 769.5;  DB 3;  Length 299;
  Best Local Similarity  60.7%;  Pred. No. 6.1e-51;
  Matches  133;  Conservative   33;  Mismatches   48;  Indels    5;  Gaps    2;

Qy        169 TSSSAGYKVISGGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQS 228
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Qy        289 QVTNTGGDLGSNHFDLQMPGGGVGIFNGCAAQWGA-PNDGWGARYGGVSSVSDCASLPSA 347
              | |:||||||| ||: ||||||||||||::|:|  |    ||:|||:|| | | |:
Db        129 QSTSTGGDLGSNQFDIAMPGGGVGIFNGCSSQFGGLP----GAQYGGISSRDQCDSFPAP 184

Qy        348 LQAGCKWRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
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Db        185 LKPGCQWRFDWFQNADNPTFTFQQVQCPAEIVARSGCKR 223


RESULT 3
US-09-229-911A-12
; Sequence 12, Application US/09229911A
; Patent No. 6387690
;   GENERAL INFORMATION:
;        APPLICANT: Schulein, Martin
;                   Andersen, Lene N.
;                   Lassen, Soren F.
;                   Kauppinen, Markus S.
;                   Lange, Lene
;                   Nielsen, Ruby I.
;                   Ihara, Michiko
;                   Takagi, Shinobu
;        TITLE OF INVENTION: No. 6387690el Endoglucanases
;        NUMBER OF SEQUENCES: 109
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
;             STREET: 405 Lexington Avenue, 64th Floor
;             CITY: New York
;             STATE: New York
;             COUNTRY: United States of America
;             ZIP: 10174-6401
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/229,911A
;             FILING DATE: 13-Jan-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/651,136
;             FILING DATE: 21-MAY-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Lambiris, Elias J.
;             REGISTRATION NUMBER: 33,728
;             REFERENCE/DOCKET NUMBER: 4366.200-US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 212-867-0123
;             TELEFAX: 212-878-9655
;   INFORMATION FOR SEQ ID NO: 12:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 299 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-229-911A-12

  Query Match           36.5%;  Score 769.5;  DB 4;  Length 299;
  Best Local Similarity  60.7%;  Pred. No. 6.1e-51;
  Matches  133;  Conservative   33;  Mismatches   48;  Indels    5;  Gaps    2;

Qy        169 TSSSAGYKVISGGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQS 228
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Qy        289 QVTNTGGDLGSNHFDLQMPGGGVGIFNGCAAQWGA-PNDGWGARYGGVSSVSDCASLPSA 347
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Qy        348 LQAGCKWRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
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RESULT 4
US-09-189-060B-68
; Sequence 68, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
;  APPLICANT: Dalboge, Henrik
;  APPLICANT:  Sandal, Thomas
;  APPLICANT:  Kauppinen, Markus
;  APPLICANT:  Borge, Diderichsen
;  TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences
;  FILE REFERENCE: 4772.204-US
;  CURRENT APPLICATION NUMBER: US/09/189,060B
;  CURRENT FILING DATE:  1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/DK97/00216
;  PRIOR FILING DATE: 1997-05-12
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;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
;   LENGTH: 306
;   TYPE: PRT
;   ORGANISM: Hybrid
US-09-189-060B-68

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Qy        234 NGFMCNNNQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNT 293
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Db         74 TSYTCSNNSPWAVNDNLAYGFAATKLSGGSESSWCCACYALTFTTGPVKGKTMVVQSTNT 133

Qy        294 GGDLGSNHFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCK 353
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Db        134 GGDLGENHFDLQMPGGGVGIFDGCSSQWGGLG---GAQYGGISSRSDCDSFPELLKDGCY 190

Qy        354 WRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
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Db        191 WRYDWFKNADNPSFSFRQVQCPAELVARTGCRR 223


RESULT 5
US-08-651-136C-2
; Sequence 2, Application US/08651136C
; Patent No. 6001639
;  GENERAL INFORMATION:
;    APPLICANT:  Schulein, Martin
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Lassen, Soren F.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Lange, Lene
;    APPLICANT:  Nielsen, Ruby I.
;    APPLICANT:  Ihara, Michiko
;    APPLICANT:  Takagi, Shinobu
;    TITLE OF INVENTION:  No. 6001639el Endoglucanases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,136C
;      FILING DATE:  21-MAY-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4366.200-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  225 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-651-136C-2

  Query Match             36.2%;  Score 761.5;  DB 3;  Length 225;
  Best Local Similarity   62.1%;  Pred. No. 1.8e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
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Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
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Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
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Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
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Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 6
US-09-229-911A-2
; Sequence 2, Application US/09229911A
; Patent No. 6387690
;  GENERAL INFORMATION:
;       APPLICANT: Schulein, Martin
;                  Andersen, Lene N.
;                  Lassen, Soren F.
;                  Kauppinen, Markus S.
;                  Lange, Lene
;                  Nielsen, Ruby I.
;                  Ihara, Michiko
;                  Takagi, Shinobu
;       TITLE OF INVENTION: No. 6387690el Endoglucanases
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
;            STREET: 405 Lexington Avenue, 64th Floor
;            CITY: New York
;            STATE: New York
;            COUNTRY: United States of America
;            ZIP: 10174-6401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/229,911A
;            FILING DATE: 13-Jan-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/651,136
;            FILING DATE: 21-MAY-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lambiris, Elias J.
;            REGISTRATION NUMBER: 33,728
;            REFERENCE/DOCKET NUMBER: 4366.200-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 212-867-0123
;            TELEFAX: 212-878-9655
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 225 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-229-911A-2
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  Query Match           36.2%;  Score 761.5;  DB 4;  Length 225;
  Best Local Similarity   62.1%;  Pred. No. 1.8e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
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Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
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Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
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Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 7
US-08-651-136C-4
; Sequence 4, Application US/08651136C
; Patent No. 6001639
;  GENERAL INFORMATION:
;    APPLICANT:  Schulein, Martin
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Lassen, Soren F.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Lange, Lene
;    APPLICANT:  Nielsen, Ruby I.
;    APPLICANT:  Ihara, Michiko
;    APPLICANT:  Takagi, Shinobu
;    TITLE OF INVENTION:  No. 6001639el Endoglucanases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,136C
;      FILING DATE:  21-MAY-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4366.200-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  297 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-651-136C-4

  Query Match           36.2%;  Score 761.5;  DB 3;  Length 297;
  Best Local Similarity   62.1%;  Pred. No. 2.4e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
              || | |||||||||| ||:||||   : ||  |  |   | |  : :|||: ||: :||::
Db         21 SGIGQTTRYWDCCKPSCAWPGKGP-SSPVQACDKNDNPLNDGGSTRSGCDAGGSAYMCSS 79

Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
                ||||:|||:||:||  :|||:|: ||| |||||||||  :||||:|| |||||||| |
Db         80 QSPWAVSDELSYGWAAVKLAGSSESQWCCACYELTFTSGPVAGKKMIVQATNTGGDLGDN 139

Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              |||| :|||||||||| |  |:||| :||| ||||: |  :| | | ||: || |||:||:
Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 8
US-09-229-911A-4
; Sequence 4, Application US/09229911A
; Patent No. 6387690
;  GENERAL INFORMATION:
;       APPLICANT: Schulein, Martin
;                  Andersen, Lene N.
;                  Lassen, Soren F.
;                  Kauppinen, Markus S.
;                  Lange, Lene
;                  Nielsen, Ruby I.
;                  Ihara, Michiko
;                  Takagi, Shinobu
;       TITLE OF INVENTION: No. 6387690el Endoglucanases
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
;            STREET: 405 Lexington Avenue, 64th Floor
;            CITY: New York
;            STATE: New York
;            COUNTRY: United States of America
;            ZIP: 10174-6401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/229,911A
;            FILING DATE: 13-Jan-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/651,136
;            FILING DATE: 21-MAY-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lambiris, Elias J.
;            REGISTRATION NUMBER: 33,728
;            REFERENCE/DOCKET NUMBER: 4366.200-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 212-867-0123
;            TELEFAX: 212-878-9655
;  INFORMATION FOR SEQ ID NO: 4:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 297 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-229-911A-4

  Query Match           36.2%;  Score 761.5;  DB 4;  Length 297;
  Best Local Similarity   62.1%;  Pred. No. 2.4e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
              || | |||||||||| ||:||||   : ||  |  |   | |  : :|||: ||: :||::
Db         21 SGIGQTTRYWDCCKPSCAWPGKGP-SSPVQACDKNDNPLNDGGSTRSGCDAGGSAYMCSS 79

Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
                ||||:|||:||:||  :|||:|: ||| |||||||||  :||||:|| |||||||| |
Db         80 QSPWAVSDELSYGWAAVKLAGSSESQWCCACYELTFTSGPVAGKKMIVQATNTGGDLGDN 139

Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              |||| :|||||||||| |  |:||| :||| ||||: |  :| | | ||: || |||:||:
Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225
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Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
              ||||:|||:||:||  :|||:|: ||| |||||||||  :||||:|| ||||||||  |
Db         80 QSPWAVSDELSYGWAAVKLAGSSESQWCCACYELTFTSGPVAGKKMIVQATNTGGDLGDN 139

Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              |||| :|||||||||  |   |:||| :||| |||| |  :| | | ||: || |||:||:
Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 9
US-08-651-136C-6
; Sequence 6, Application US/08651136C
; Patent No. 6001639
;  GENERAL INFORMATION:
;    APPLICANT:  Schulein, Martin
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Lassen, Soren F.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Lange, Lene
;    APPLICANT:  Nielsen, Ruby I.
;    APPLICANT:  Ihara, Michiko
;    APPLICANT:  Takagi, Shinobu
;    TITLE OF INVENTION:  No. 6001639el Endoglucanases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,136C
;      FILING DATE:  21-MAY-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4366.200-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  308 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-651-136C-6

  Query Match           36.2%;  Score 761.5;  DB 3;  Length 308;
  Best Local Similarity   62.1%;  Pred. No. 2.6e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
              || | |||||||||  ||:||||   : ||  |  |   | |  : :|||: ||: :||::
Db         21 SGIGQTTRYWDCCKPSCAWPGKGP-SSPVQACDKNDNPLNDGGSTRSGCDAGGSAYMCSS 79

Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
              ||||:|||:||:||  :|||:|: ||| |||||||||  :||||:|| ||||||||  |
Db         80 QSPWAVSDELSYGWAAVKLAGSSESQWCCACYELTFTSGPVAGKKMIVQATNTGGDLGDN 139

Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              |||| :|||||||||  |   |:||| :||| |||| |  :| | | ||: || |||:||:
Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 10
US-09-229-911A-6
; Sequence 6, Application US/09229911A
; Patent No. 6387690
;  GENERAL INFORMATION:
;       APPLICANT: Schulein, Martin
;                  Andersen, Lene N.
;                  Lassen, Soren F.
;                  Kauppinen, Markus S.
;                  Lange, Lene
;                  Nielsen, Ruby I.
;                  Ihara, Michiko
;                  Takagi, Shinobu
;       TITLE OF INVENTION: No. 6387690el Endoglucanases
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
;            STREET: 405 Lexington Avenue, 64th Floor
;            CITY: New York
;            STATE: New York
;            COUNTRY: United States of America
;            ZIP: 10174-6401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/229,911A
;            FILING DATE: 13-Jan-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/651,136
;            FILING DATE: 21-MAY-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lambiris, Elias J.
;            REGISTRATION NUMBER: 33,728
;            REFERENCE/DOCKET NUMBER: 4366.200-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 212-867-0123
;            TELEFAX: 212-878-9655
;  INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 308 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-229-911A-6

  Query Match           36.2%;  Score 761.5;  DB 4;  Length 308;
  Best Local Similarity   62.1%;  Pred. No. 2.6e-50;
  Matches  128;  Conservative   32;  Mismatches   43;  Indels    3;  Gaps    3;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLD-ANAQSGCN-GGNGFMCNN 240
              || | |||||||||  ||:||||   : ||  |  |   | |  : :|||: ||: :||::
Db         21 SGIGQTTRYWDCCKPSCAWPGKGP-SSPVQACDKNDNPLNDGGSTRSGCDAGGSAYMCSS 79

Qy        241 NQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSN 300
              ||||:|||:||:||  :|||:|: ||| |||||||||  :||||:|| ||||||||  |
Db         80 QSPWAVSDELSYGWAAVKLAGSSESQWCCACYELTFTSGPVAGKKMIVQATNTGGDLGDN 139

Qy        301 HFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              |||| :|||||||||  |   |:||| :||| |||| |  :| | | ||: || |||:||:
Db        140 HFDLAIPGGGVGIFNACTDQYGAPPNGWGDRYGGIHSKEECESFPEALKPGCNWRFDWFQ 199

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225
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Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |:|||::||:|| ||:|||::||| |
Db        200 NADNPSVTFQEVACPSELTSKSGCSR 225


RESULT 11
US-08-651-136C-10
; Sequence 10, Application US/08651136C
; Patent No. 6001639
;  GENERAL INFORMATION:
;    APPLICANT:  Schulein, Martin
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Lassen, Soren F.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Lange, Lene
;    APPLICANT:  Nielsen, Ruby I.
;    APPLICANT:  Ihara, Michiko
;    APPLICANT:  Takagi, Shinobu
;    TITLE OF INVENTION:  No. 6001639el Endoglucanases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6001639o No. 6001639disk of No. 6001639th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,136C
;      FILING DATE:  21-MAY-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4366.200-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  349 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-651-136C-10

  Query Match             34.9%;  Score 735;  DB 3;  Length 349;
  Best Local Similarity   61.7%;  Pred. No. 3e-48;
  Matches  127;  Conservative   27;  Mismatches   46;  Indels    6;  Gaps    2;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQSGCNGGNGFMCNNNQ 242
              || | |||||||||| ||:| ||||: || ||       ::||||:|||:||  | | ||
Db         22 SGKGHTTRYWDCCKTSCAWEGKASVSEPVLTCNKQDNPIVDANARSGCDGGGAFACTNNS 81

Qy        243 PWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSNHF 302
              ||||:::||||||| :::|  |  ||| || :|||||  :|||||| |||||||  :|||
Db         82 PWAVSEDLAYGFAATALSGGTEGSWCCACYAITFTSGPVAGKKMVVQSTNTGGDLSNNHF 141

Qy        303 DLQMPGGGVGIFNGCAAQWG--APNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              || :||||:|||:||:||:|    |    | |||||||  | |  :|  |: ||:|||:|||
Db        142 DLMIPGGGLGIFDGCSAQFGQLLP----GERYGGVSSRSQCDGMPELLKDGCQWRFDWFK 197

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |||||  : |::| || ||   ||| |
Db        198 NSDNPDIEFEQVQCPKELIAVSGCVR 223


RESULT 12
US-09-229-911A-10
; Sequence 10, Application US/09229911A
; Patent No. 6387690
;  GENERAL INFORMATION:
;       APPLICANT: Schulein, Martin
;                  Andersen, Lene N.
;                  Lassen, Soren F.
;                  Kauppinen, Markus S.
;                  Lange, Lene
;                  Nielsen, Ruby I.
;                  Ihara, Michiko
;                  Takagi, Shinobu
;       TITLE OF INVENTION: No. 6387690el Endoglucanases
;       NUMBER OF SEQUENCES: 109
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. 6387690o No. 6387690disk of No. 6387690th America, Inc.
;            STREET: 405 Lexington Avenue, 64th Floor
;            CITY: New York
;            STATE: New York
;            COUNTRY: United States of America
;            ZIP: 10174-6401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/229,911A
;            FILING DATE: 13-Jan-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/651,136
;            FILING DATE: 21-MAY-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Lambiris, Elias J.
;            REGISTRATION NUMBER: 33,728
;            REFERENCE/DOCKET NUMBER: 4366.200-US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 212-867-0123
;            TELEFAX: 212-878-9655
;   INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 349 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-229-911A-10

  Query Match             34.9%;  Score 735;  DB 4;  Length 349;
  Best Local Similarity   61.7%;  Pred. No. 3e-48;
  Matches  127;  Conservative   27;  Mismatches   46;  Indels    6;  Gaps    2;

Qy        183 SGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQSGCNGGNGFMCNNNQ 242
              || | |||||||||| ||:| ||||: || ||       ::||||:|||:||  | | ||
Db         22 SGKGHTTRYWDCCKTSCAWEGKASVSEPVLTCNKQDNPIVDANARSGCDGGGAFACTNNS 81

Qy        243 PWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNTGGDLGSNHF 302
              ||||:::||||||| :::|  |  ||| || :|||||  :|||||| |||||||  :|||
Db         82 PWAVSEDLAYGFAATALSGGTEGSWCCACYAITFTSGPVAGKKMVVQSTNTGGDLSNNHF 141

Qy        303 DLQMPGGGVGIFNGCAAQWG--APNDGWGARYGGVSSVSDCASLPSALQAGCKWRFNWFK 360
              || :||||:|||:||:||:|    |    | |||||||  | |  :|  |: ||:|||:|||
Db        142 DLMIPGGGLGIFDGCSAQFGQLLP----GERYGGVSSRSQCDGMPELLKDGCQWRFDWFK 197

Qy        361 NSDNPTMTFKEVTCPAELTTRSGCER 386
              |||||  : |::| || ||   ||| |
Db        198 NSDNPDIEFEQVQCPKELIAVSGCVR 223


RESULT 13
US-09-189-060B-66
; Sequence 66, Application US/09189060B
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; Patent No. 6270968
; GENERAL INFORMATION:
;  APPLICANT: Dalboge, Henrik
;  APPLICANT:  Sandal, Thomas
;  APPLICANT:  Kauppinen, Markus
;  APPLICANT:  Borge, Diderichsen
;  TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences
;  FILE REFERENCE: 4772.204-US
;  CURRENT APPLICATION NUMBER: US/09/189,060B
;  CURRENT FILING DATE:  1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/DK97/00216
;  PRIOR FILING DATE: 1997-05-12
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 66
;   LENGTH: 306
;   TYPE: PRT
;   ORGANISM: Hybrid
US-09-189-060B-66

  Query Match             34.6%;  Score 729.5;  DB 4;  Length 306;
  Best Local Similarity   59.6%;  Pred. No. 6.7e-48;
  Matches  127;  Conservative   31;  Mismatches   52;  Indels    3;  Gaps    1;

Qy        174 GYKVISGGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQSGCNGG 233
              | :| :    :  | :||||||| |||||||| |  ||     :|     :  | ||:|||:||
Db         14 GLQVAAPAFAADGRSTRYWDCCKPSCSWPGKALVNQPVYARNANFQRITDPNAKSGCDGG 73

Qy        234 NGFMCNNNQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNT 293
              : | | :  ||||:|: ||||| ::|| :|: ||| |||||||||  :|||| || |:|
Db         74 SAFSCADQTPWAVSDDFAYGFAATALAGQSESSWCCACYELTFTSGPVAGKKMAVQSTST 133

Qy        294 GGDLGSNHFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCK 353
              |||||||||| |||||||||:||: | |       | ||||||| |:| | |:||: ||
Db        134 GGDLGSNHFDLNMPGGGVGIFDGCSPQVGGLA---GQRYGGVSSRSECDSFPAALKPGCY 190

Qy        354 WRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
              ||::||||:|||: :|::| |||||  |:|| |
Db        191 WRYDWFKNADNPSFSFRQVQCPAELVARTGCRR 223

RESULT 14
US-09-189-060B-72
; Sequence 72, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
;  APPLICANT: Dalboge, Henrik
;  APPLICANT:  Sandal, Thomas
;  APPLICANT:  Kauppinen, Markus
;  APPLICANT:  Borge, Diderichsen
;  TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences
;  FILE REFERENCE: 4772.204-US
;  CURRENT APPLICATION NUMBER: US/09/189,060B
;  CURRENT FILING DATE:  1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/DK97/00216
;  PRIOR FILING DATE: 1997-05-12
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 72
;   LENGTH: 304
;   TYPE: PRT
;   ORGANISM: Hybrid
US-09-189-060B-72

  Query Match             34.5%;  Score 727.5;  DB 4;  Length 304;
  Best Local Similarity   58.9%;  Pred. No. 9.4e-48;
  Matches  126;  Conservative   33;  Mismatches   50;  Indels    5;  Gaps    2;

Qy        174 GYKVISGGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQSGCNGG 233
              | :| :    :  | :||||||| ||:| |||||: || || :|     | |  :|:| |:||
Db         12 GLQVAAPAFAADGRSTRYWDCCKPSCAWSGKASVSSPVRTCDANNSPLSDVDAKSACDGG 71

Qy        234 NGFMCNNNQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNT 293
```

```
                 : |:|| |||||| |:||||| :| | :|: ||| ||:|||||| |||| |||| |||
Db         72 VAYTCSNNAPWAVNDNLSYGFAATAINGGSESSWCCACYKLTFTSGPASGKVMVVQSTNT 131

Qy        294 GGDLGSNHFDLQMPGGGVGIFNGCAAQWGA-PNDGWGARYGGVSSVSDCASLPSALQAGC 352
              | || :||||: ||||||| |:||: |:|: |     | |||||:|    |  :||||: ||
Db        132 GYDLSNNHFDILMPGGGVGAFDGCSRQYGSIP----GERYGGVTSRDQCDQMPSALKQGC 187

Qy        353 KWRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
               |||:||||:|||: :|::| |||||  |:|| |
Db        188 YWRFDWFKNADNPSFSFRQVQCPAELVARTGCRR 221

RESULT 15
US-09-189-060B-74
; Sequence 74, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
;  APPLICANT: Dalboge, Henrik
;  APPLICANT:  Sandal, Thomas
;  APPLICANT:  Kauppinen, Markus
;  APPLICANT:  Borge, Diderichsen
;  TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences
;  FILE REFERENCE: 4772.204-US
;  CURRENT APPLICATION NUMBER: US/09/189,060B
;  CURRENT FILING DATE:  1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/DK97/00216
;  PRIOR FILING DATE: 1997-05-12
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74
;   LENGTH: 307
;   TYPE: PRT
;   ORGANISM: Hybrid
US-09-189-060B-74

  Query Match             34.4%;  Score 725;  DB 4;  Length 307;
  Best Local Similarity   58.7%;  Pred. No. 1.5e-47;
  Matches  125;  Conservative   30;  Mismatches   56;  Indels    2;  Gaps    1;

Qy        174 GYKVISGGKSGSGSTTRYWDCCKASCSWPGKASVTGPVDTCASNGISLLDANAQSGCNGG 233
              | :| :    :  | :|||||||| ||||| ||  |  || ||  :       |  |  |:||| ||
Db         14 GLQVAAPAFAADGRSTRYWDCCKPSCSWPDKAPVGSPVGTCDAGNSPLGDPLAKSGCEGG 73

Qy        234 NGFMCNNNQPWAVNDELAYGFAAASIAGSNEAGWCCGCYELTFTSGAASGKKMVVQVTNT 293
                 : | | ||||||:||||||:| |  |   ||| ||:||||  ||||  ||||  |:|| |||
Db         74 PSYTCANYQPWAVNDQLAYGFAATAINGGTEDSWCCACYKLTFTDGPASGKTMIVQSTNT 133

Qy        294 GGDLGSNHFDLQMPGGGVGIFNGCAAQWGAPNDGWGARYGGVSSVSDCASLPSALQAGCK 353
              ||||  |||||  :||||||||:|| :|:|        ||:|||||| ::|  :| |::|||:
Db        134 GGDLSDNHFDLLIPGGGVGIFDGCTSQYGQALP--GAQYGGVSSRAECDQMPEAIKAGCQ 191

Qy        354 WRFNWFKNSDNPTMTFKEVTCPAELTTRSGCER 386
              ||::||||:|||: :|::| |||||  |:|| |
Db        192 WRYDWFKNADNPSFSFRQVQCPAELVARTGCRR 224

Search completed: June 18, 2003, 17:17:49
Job time : 15.6824 secs
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